SERVICE INFORMATION

NORDMENDE

THOMSON TECHNOLOGY

TV

COLLECTION

FFS-Chassis F 23 + / ICC 8
mit/con/with IMC 6

Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt · Änderungen vorbehalten · Questi dati ed istruzioni sono destinati esclusivamente al servizio assistenza clienti · Con riserva di modifiche · These instructions are for service dealers only · Subject to modification

NORDMENDE GmbH · Postfach 44 83 60 · 28283 Bremen · Germany

1 Chassis · Telaio · Chassis

Hauptspannung, Tensione principale, Principal voltage, Tension principale — Usyst. 154 V
1. ◑ ☼ min.
2. PP 52 → 154 V ± 1 V

PF 11 — V-Ampl amp-vert — H-Ampl amp-orizz — PG 01

PG 06 — O/W-Ampl amp-E/O — O/W-Trapez trap-E/O — PG 04

PL 39 — H-Pos pos-orizz — V-Pos pos-vert — PF 04

19 Nord/Süd-Modul

N/S Kissenentzerrung · correzione a cuscino N/S · N/S pincushion correction
1. Gittertestbild · segnale grata · grating test pattern · image de contrôle de la grille
2. PG 79

3. LG 84 Phase

4. PG 63 Symmetrie

5. PG 79 Amplitude

N/S „Möwenflügel"-Korrektur · correzione N/S ad a la dl «gabbiano» · N/S "gullwing" correction
1. PG 32
2. LG 39 Phase
3. PG 32 Amplitude

1 Chassis · Telaio · Chassis

LV 63; 5,5 MHz
Tonfalle · trapola tono · sound trap
1. Oscilloscop → BE 01/Pin 10
2. Schwarz/Weiß-Testbild (ohne Burst) segnale bianco-nero (senza burst) black + white signal (without burst)
3. LV 63 → 5,5 MHz min.

PV 79 Spitzenweiß · bianco punte · peak white
1. Gittertestbild · segnale grata grating testpattern
2. Oscilloscop → Pin 3 Bildröhre Pin 3 cinescopio · Pin 3 CRT
3. ☼ + ||| → standard, ◑ → max.
4. PV 79 → 65 Vpp (ohne Austastimpulse senza immpulso · without blanking pulses)

PAL

PC 44, PAL-Amplitude · Amplitude PAL
LC 43, PAL-Phase · Fase PAL
1. Oscilloscop → (F1) R – Y
2. Oscilloscop, 2 Zeilen triggern · trig. 2 linea trigger to 2 lines
3. PC 44/LC 43 wechselweise · alternativo alternating → min. jitter

NTSC

LV 28 NTSC (3,58 MHz) Farbträger-Falle
trapola colore (3,58 MHz)
color carrier trap (3.58 MHz)
1. NTSC Farbbalken Testbild segnale barre colore NTSC NTSC color bare signal
2. Oscilloscop → RV 28/LV 28
3. LV 28 → min.

Secam

LV 29 Secam Farbträger-Falle (4,25 MHz)
trapola colore secam (4,25 MHz)
Secam color carrier trap (4.25 MHz)
1. Secam Testbild Weiß · segnale bianco test picture white
2. Oscilloscop → RV 28/LV 28
3. LV 29 → min.

LC 54 Ident. Secam
1. Secam Farbtestbild · segnale colore color bare signal
2. Oscilloscop → IV 01 Pin 23
3. LC 54 → max.

LC 13 B–Y/LC 17 R–Y Demodulator
1. Secam Farbtestbild · segnale colore color bare signal
2. Oscilloscop → IV 01 Pin 2
3. LC 17 → farbl. Balken auf Niveau von Austastlücke · barre senza colore sul livello del synchronisme · colorless bare to level of blanking interval
4. Oscilloscop → IV 01 Pin 64
5. LC 13 → wie 3 · preciso 3 · like 3

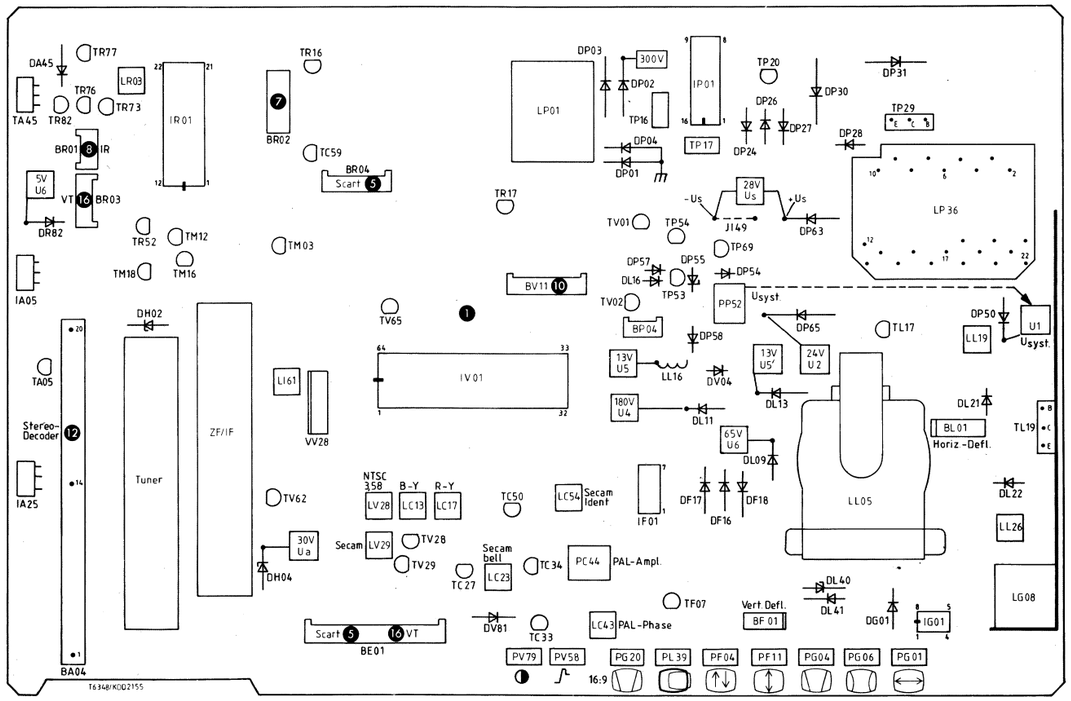
LC 23 Glockenfilter · filtro del campana bell-filter
1. Secam Farbtestbild · segnale colore color bare signal
2. Oscilloscop → IV 01 Pin 18
3. LC 23 → Farbamplitude auf gleiches Niveau ampl. colore livello uguale color amplitudes to the same level

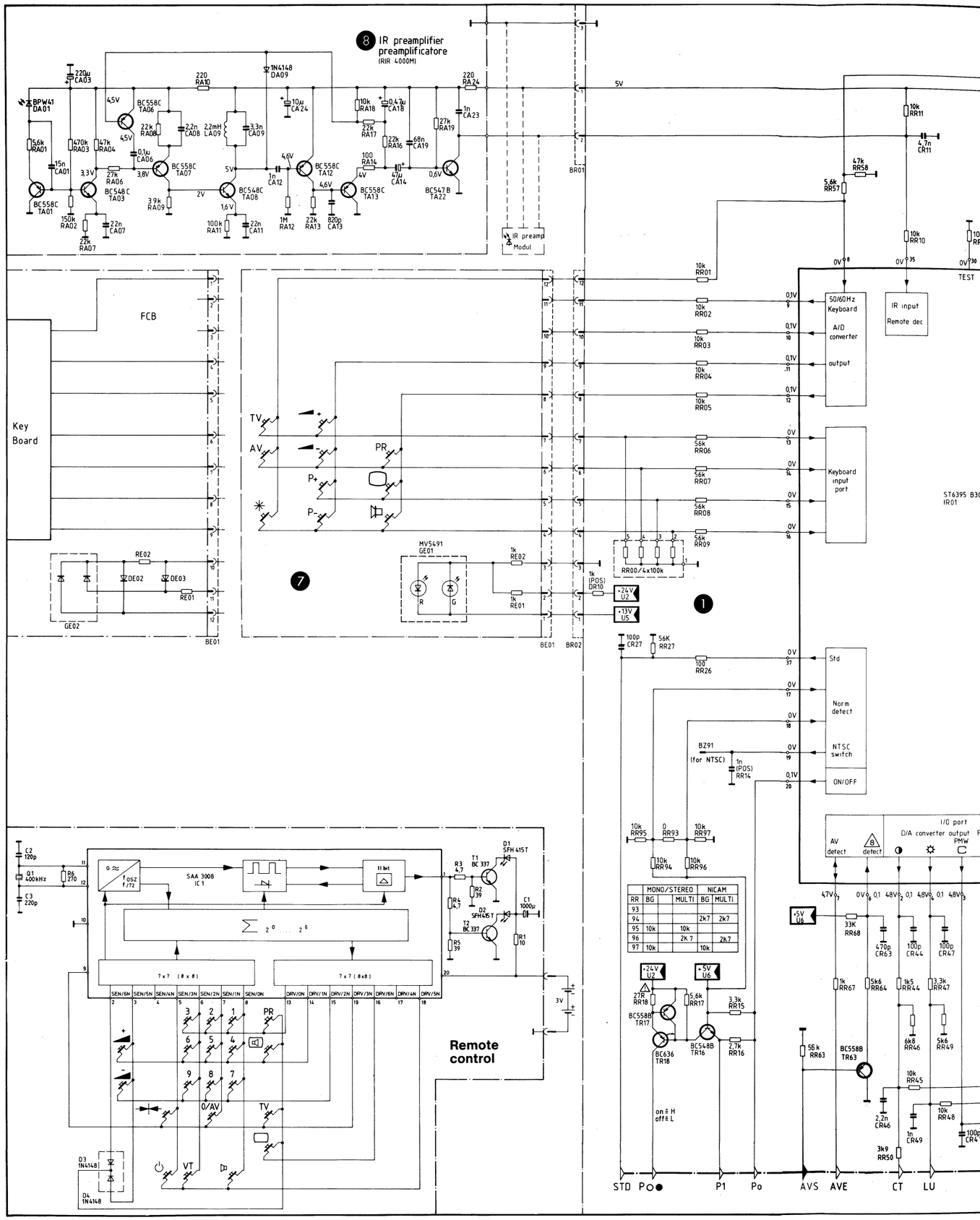
10 **Bildröhrenplatte · piastra cinescopio CRT-board**

UG 2 Schirmgitterspannung · tensione griglia schermo · screen grid voltage
1. HF-Testbild m. schw. Bildinhalt · HF imagine di controllo con contennto dell' imagine nero · IF-testpattern w. bl. pict. content
2. ◑ + ☼ → standard
3. UG 2 → max.
4. Oscilloscop → Coll. TT 11/TT 21/TT 31
5. Mit PT 01 Coll. m. höchster Spg. → 145 V (Schwarzschulter) · con PT 01 coll. con il massimo della tensione → 145 V (spalla hera) adjust the coll. (porch) with the highest voltage → 145 V by PT 01.

Weißabgleich · aggustiamento bianco white adjustment
1. Grautreppe einsp. · introdure la scala grigia · feed in grey stage pattern
2. PT 12/PT 22 wechselweise · alternativo alternating → Bild auf min. Farbstich colore a livello minimo · to min. color shade

Service-Lageplan · Layout diagram · Disposition des régleurs · Posizione regulatori di servizio · Situacion de los ajustes





ger-Falle (4,25 MHz)
(4,25 MHz)
rap (4.25 MHz)
ß · segnale bianco

28/LV 28

· segnale colore

1 Pin 23

Demodulator
· segnale colore

1 Pin 2
en auf Niveau von
senza colore sul livello
colorless bare to level

1 Pin 64
ciso 3 · like 3

filtro del campana

· segnale colore

1 Pin 18
tude auf gleiches Niveau
uguale
the same level

stra cinescopio

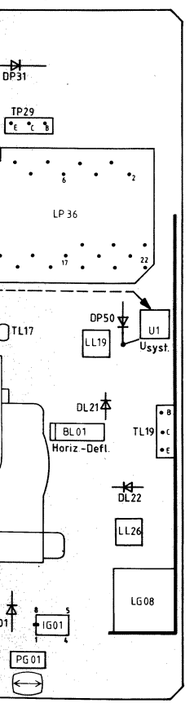
nnung · tensione griglia
d voltage
v. Bildinhalt · HF imagine
tenuto dell' imagine
w. bl. pict. content

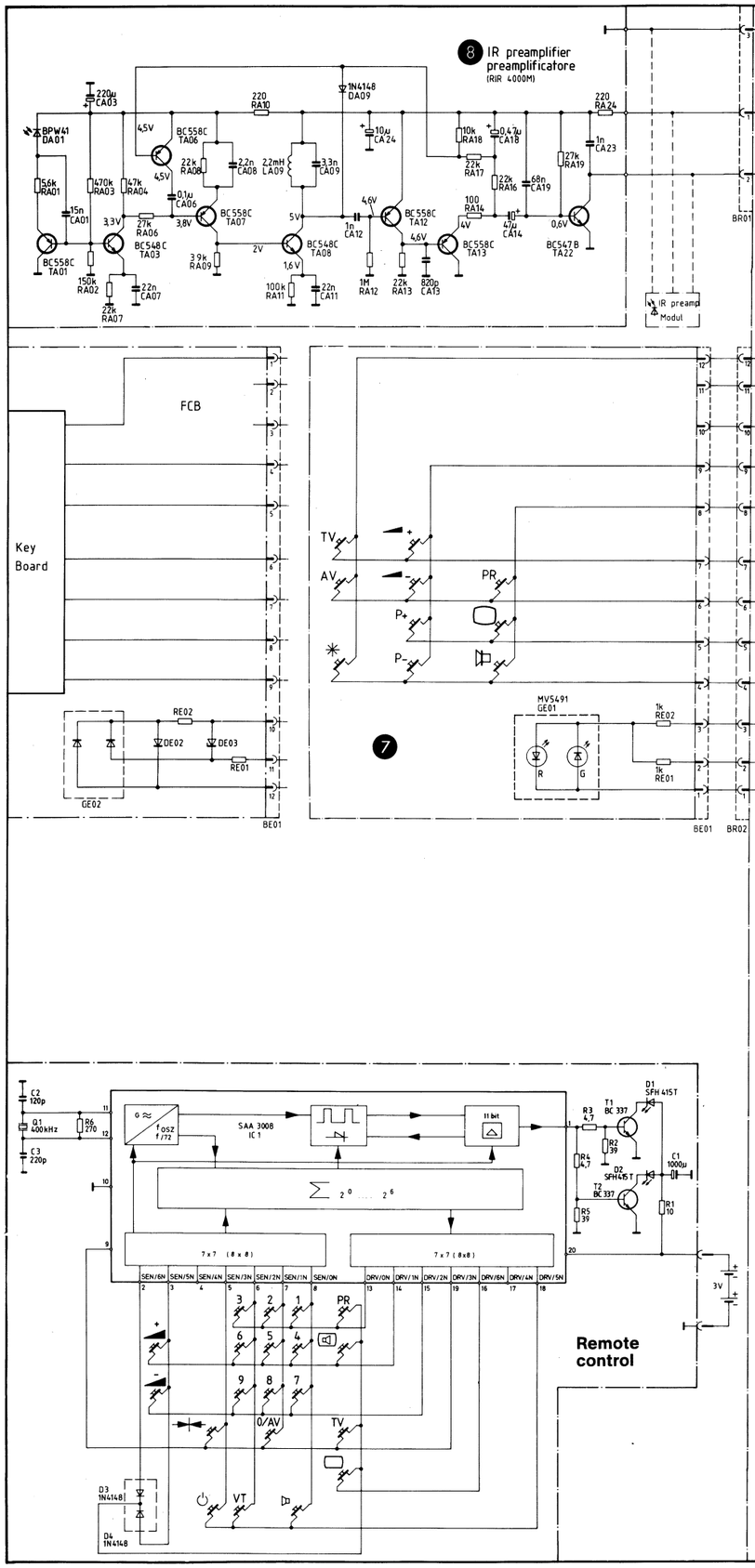
TT 11/TT 21/TT 31
öchster Spg. → 145 V
con PT 01 coll. con il
one → 145 V (spalla hera)
ch) with the highest
PT 01.

tlamento bianco

introdure la scala
stage pattern
elweise · alternativo
uf min. Farbstich
no · to min. color shade

e los ajustes





Änderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modifications réservées!

VHF/UHF
2003 01

ZF/IF
IF2132

Bd I „H"

Achtung:
Bei Messungen im Primärnetzteil Primärnetzteilmasse verwenden.
Attenzione:
Misure nell alimentatore primario, usare massa alimentatore primario.
Attention:
During Measurement the primary power unit please use the primary power unit ground.
Attention:
Mesurage dans le bloc d'alimentation: Utiliser la masse du bloc d'alimentation.

⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

⚠ componente di sicurezza in caso di sostituzione usare componento originale

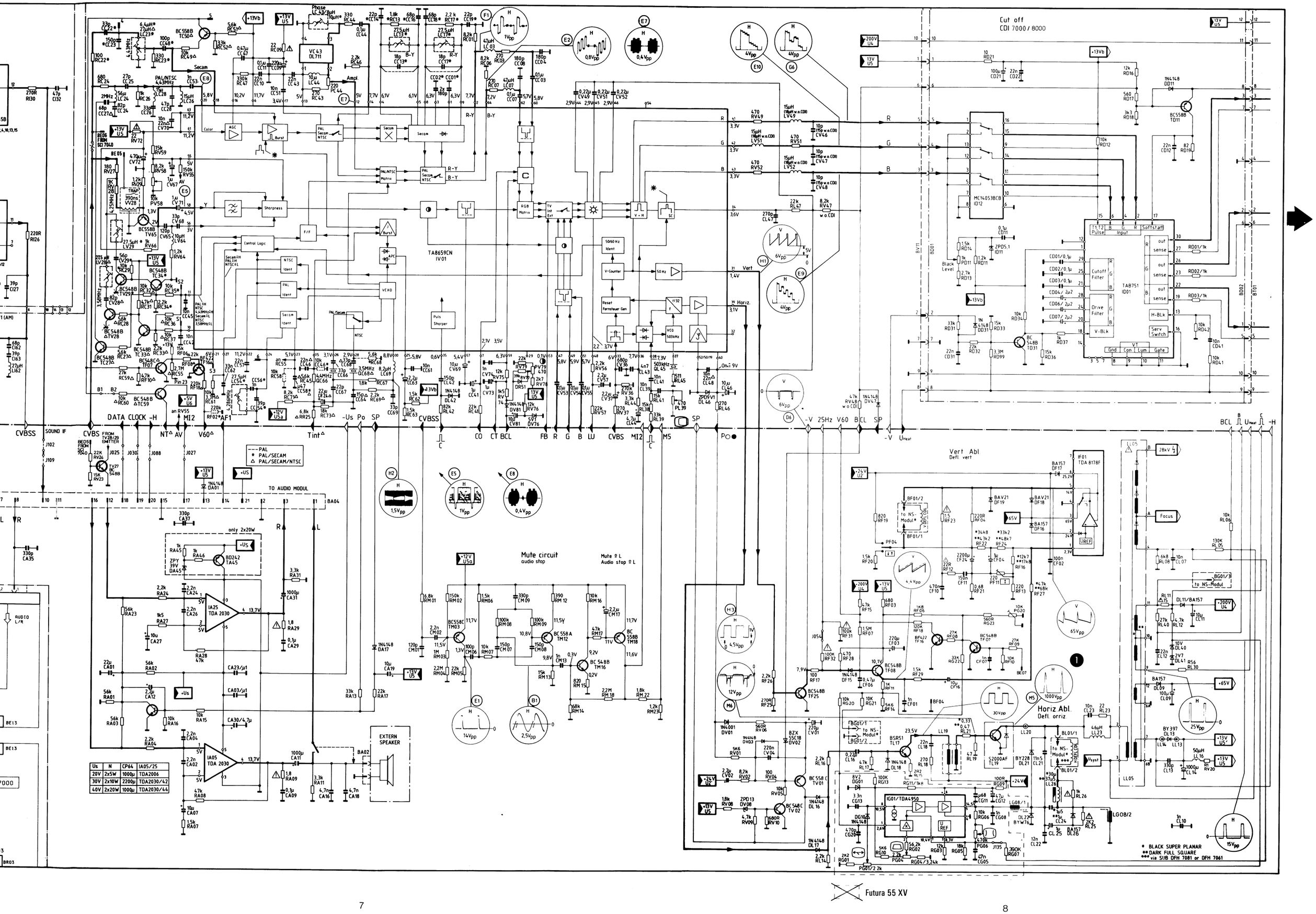
⚠ Safety part
When repairing, use original parts only

⚠ Pièce de sécurité
N'utilisez que les pièces d'origines

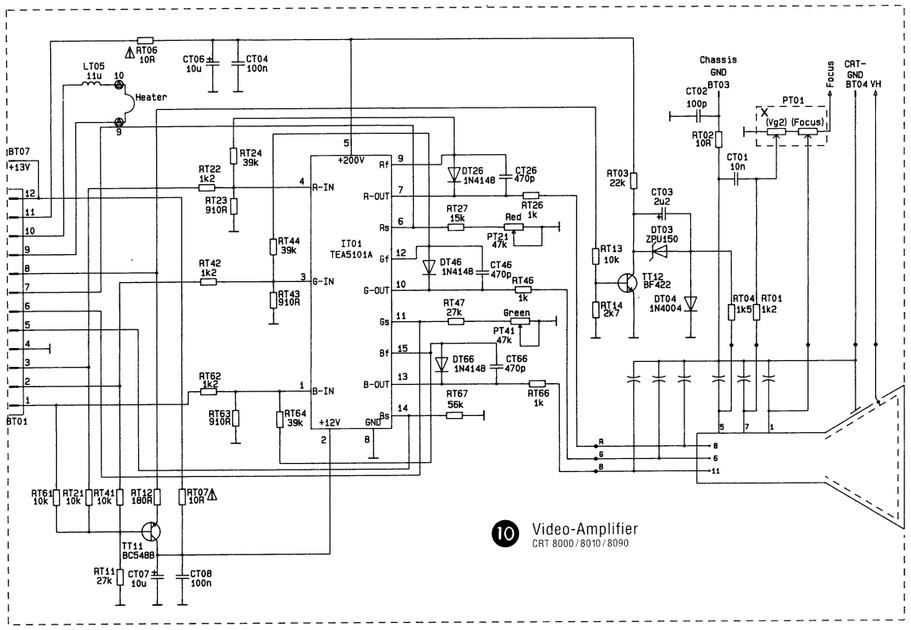
Us	AUDIO OUTPUT POWER
20V	5W
30V	10W
40V	20W
(STEREO 2x..... W)

Us	N	CP64	IA05/25
20V	2x5W	1000µ	TDA2006
30V	2x10W	2200µ	TDA2030/42
40V	2x20W	1000µ	TDA2030/44

U_{syst}	TUBE
154V	DFS
154V	BSP

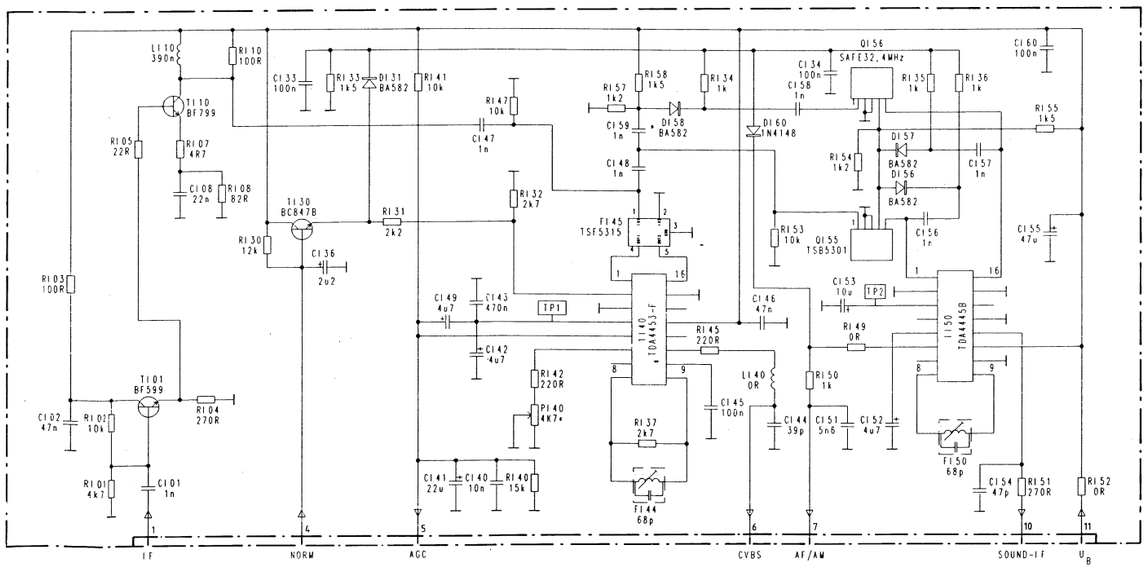

Cut off
CDI 7000 / 8000
Vert Abl
Defl vert
Horiz. Abl.
Defl. orriz
Mute circuit
audio stop
Mute ø L
Audio stop ø L
TA8659CN
IV01
IA25
TDA 2030
IA05
TDA 2030
TAB751
ID01
MC14053BCB
ID12
IF01
TDA 8178F
IG01/TDA4950
EXTERN
SPEAKER
TO AUDIO MODUL
Secam
PAL/NTSC
4,43MHz
Ampl
Color
Sharpness
Control Logic
Burst
AGC
Vert
Horiz.
Black
Level
Cutoff
Filter
Drive
Filter
V-Blk
H-Blk
Serv
Switch
Softstart
Pulse
Input
Gnd
Con
Lum
Gate
Focus
UREF
DATA CLOCK -H
CVBSS
SOUND IF
CVBS
FROM
TV28/29
EMITTER
NT△ AV
V60△
Tint△
-Us Po SP
CVBSS
CO CT BCL
FB R G B LU
CVBS MI2
MS
Po●
-V 25Hz V60 BCL SP
-V
BCL
-H
PAL
PAL/SECAM
PAL/SECAM/NTSC
only 2x20W
Us N CP64 IA05/25
20V 2x5W 1000µ TDA2006
30V 2x10W 2200µ TDA2030/42
40V 2x20W 1000µ TDA2030/44
* BLACK SUPER PLANAR
** DARK FULL SQUARE
*** via SUB DFH 7081 or DFH 7061
Futura 55 XV

X Futura 55 XV
Vg2/Focus = LL05



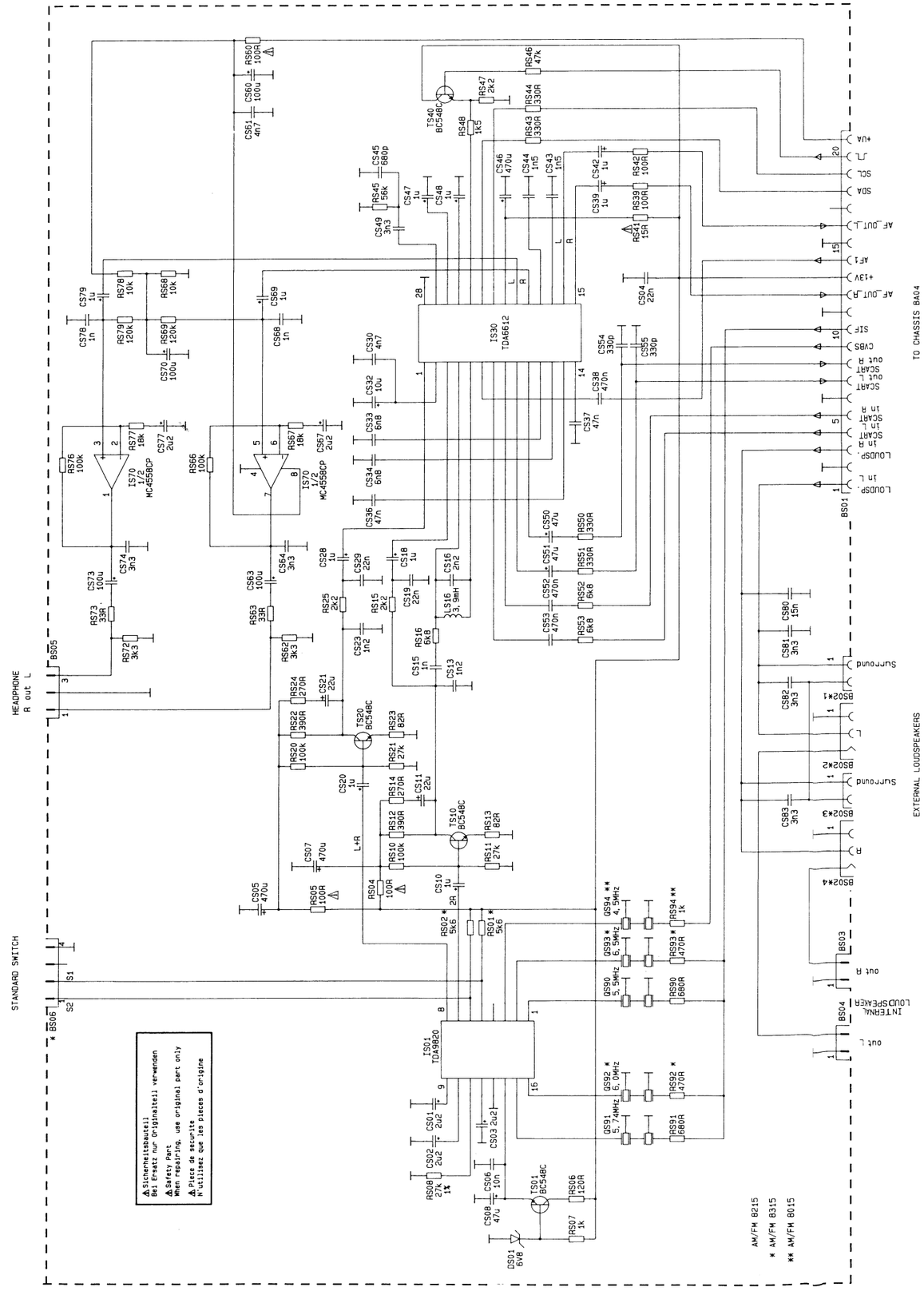
10 Video-Amplifier
CRT 8000/8010/8090

ZF-Verstärker IF 2139
IF Amplifier
Amplificateur FI
Amplificatore FI
Amplificador FI

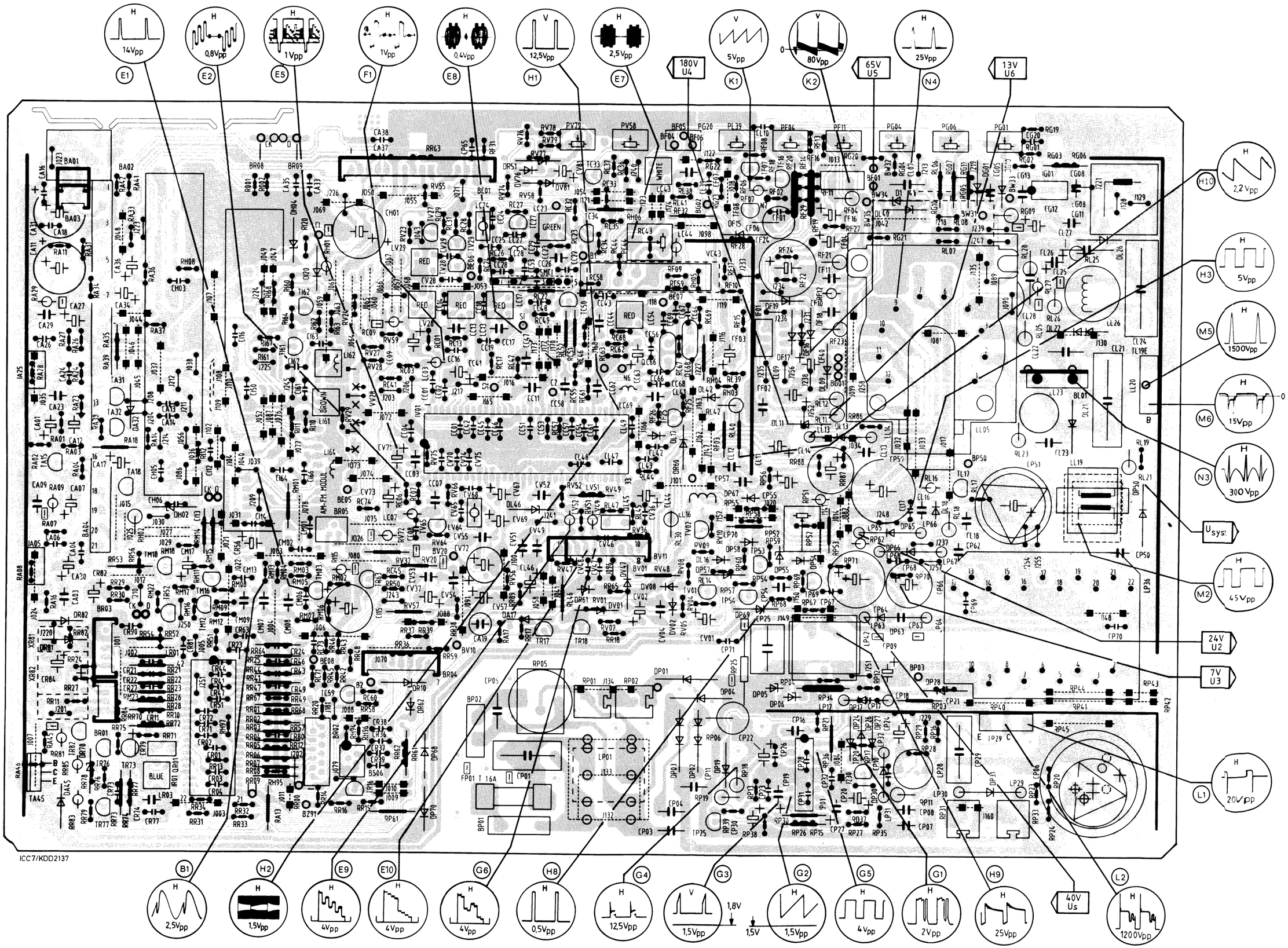


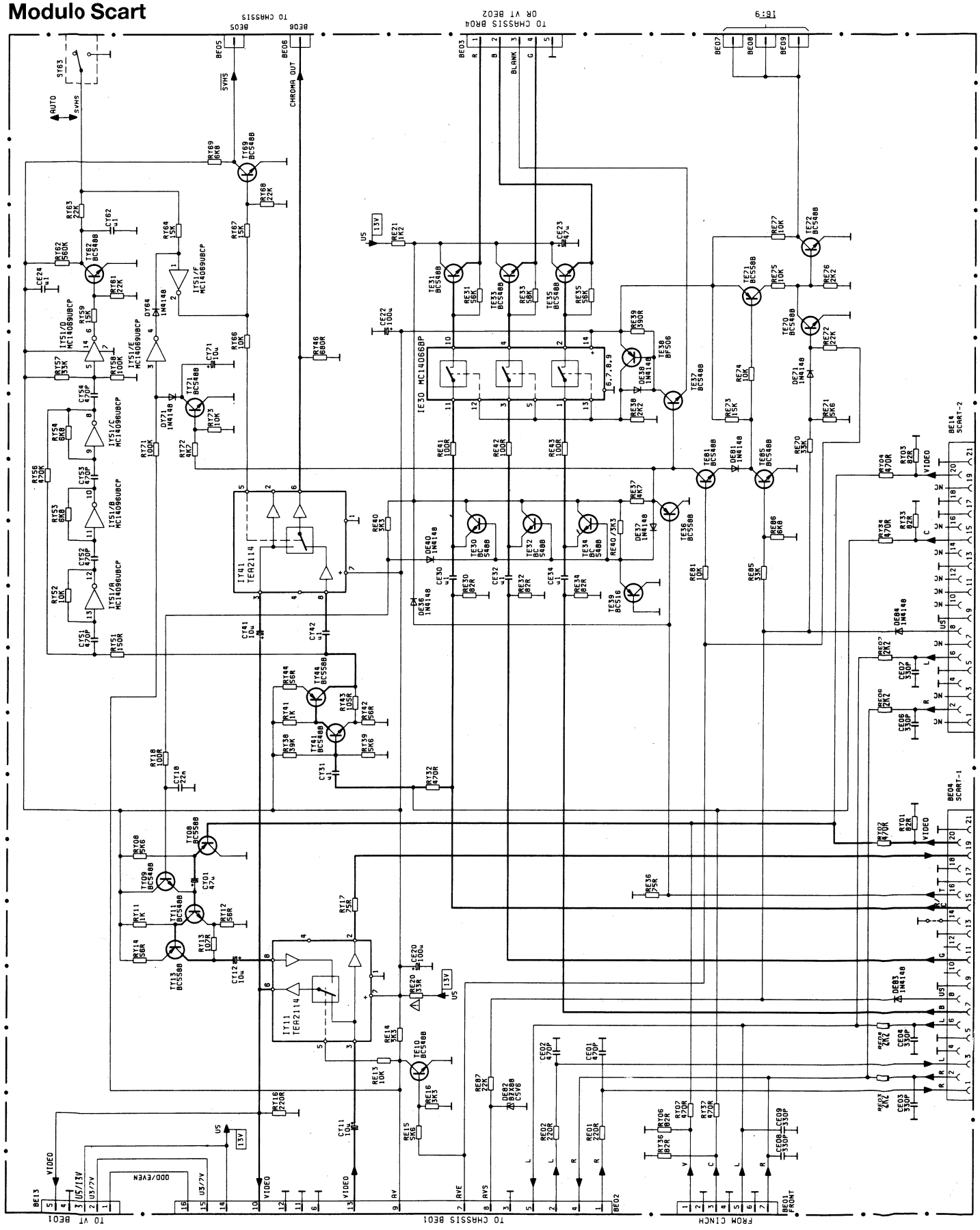
Ton-Baustein · Audio Module
Module Son · Modulo Audio

AM/FM 8215
AM/FM 8315



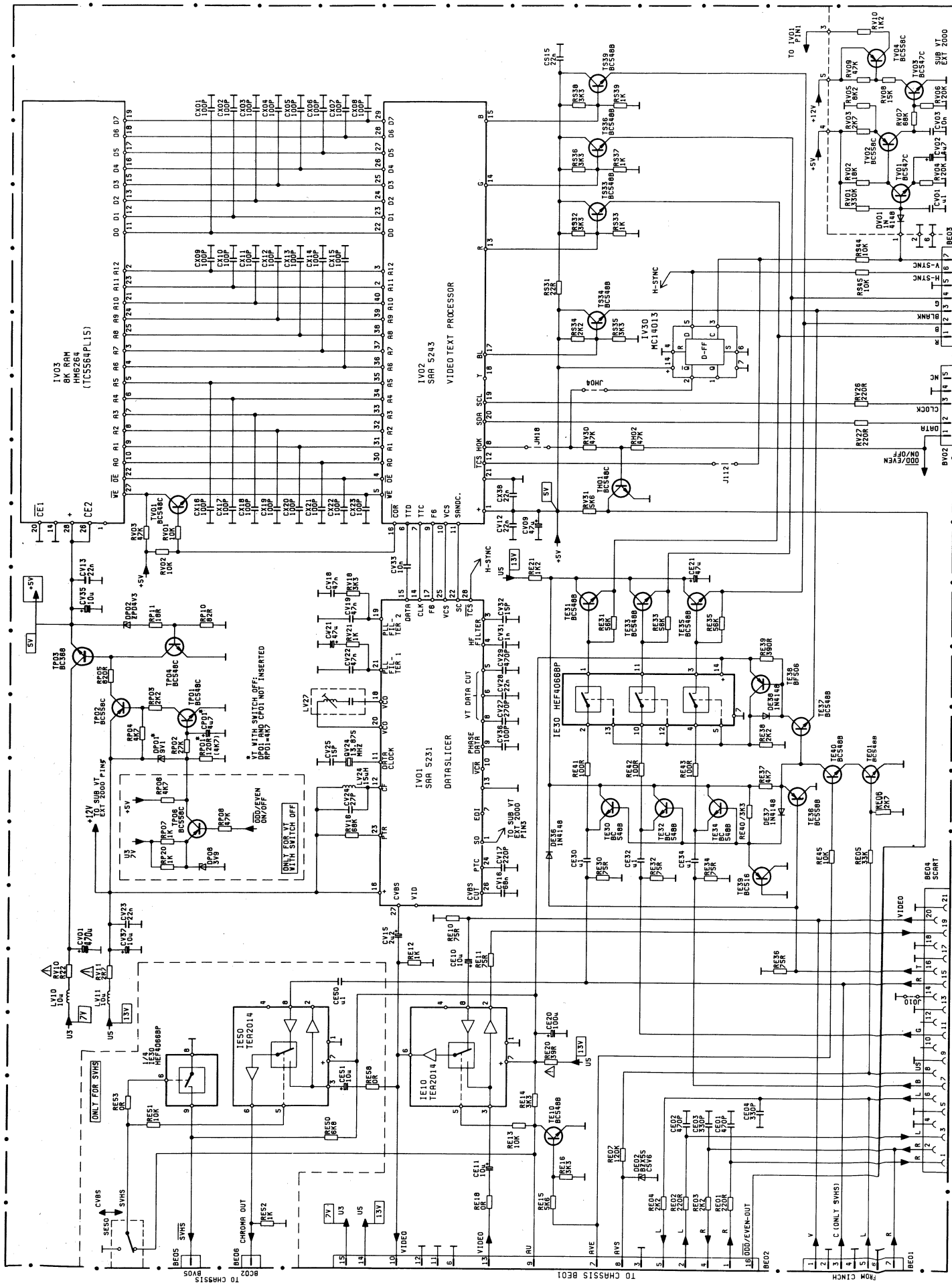
Chassis – Lötseite · Telaio · lato saldature · Chassis – solder side · Chassis – côté soudure



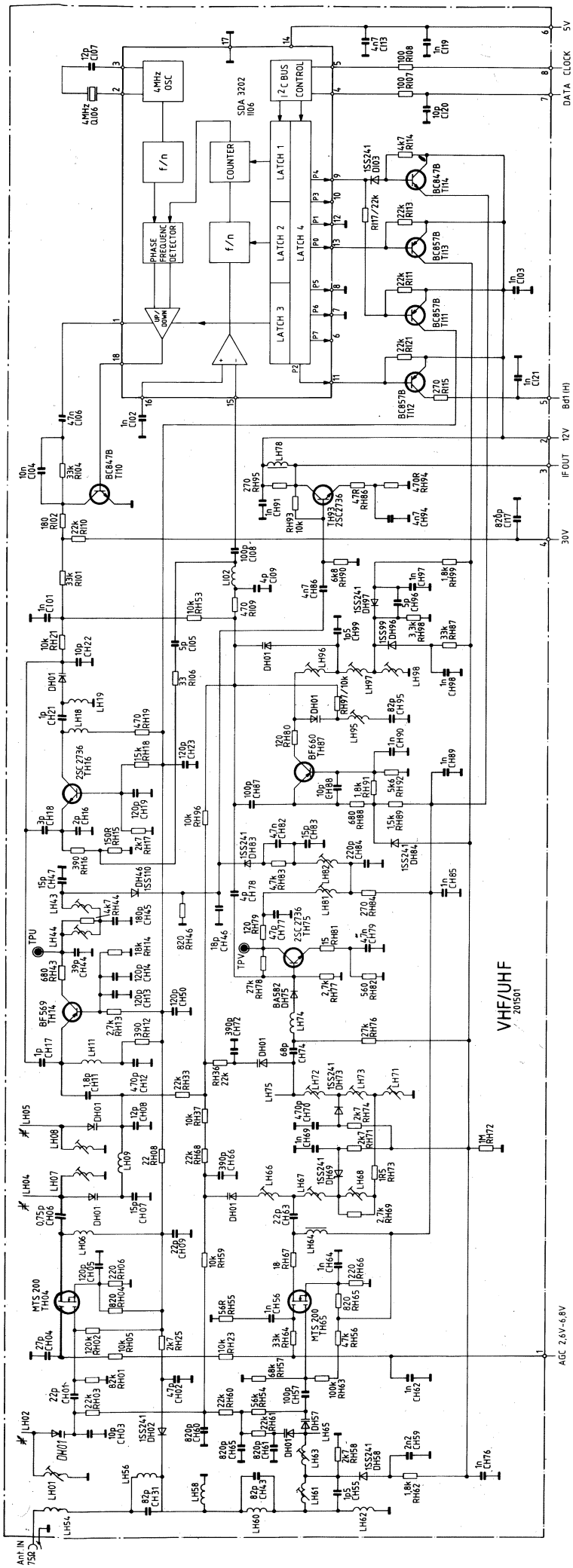


Videotext-Decoder
Teletext Decoder
Décodeur Vidéotexte
Decoder Televideo

DVT 2002 SVHS with SW OFF
DVT 2012 SVHS
DVT 2004 with SW OFF
DVT 2014

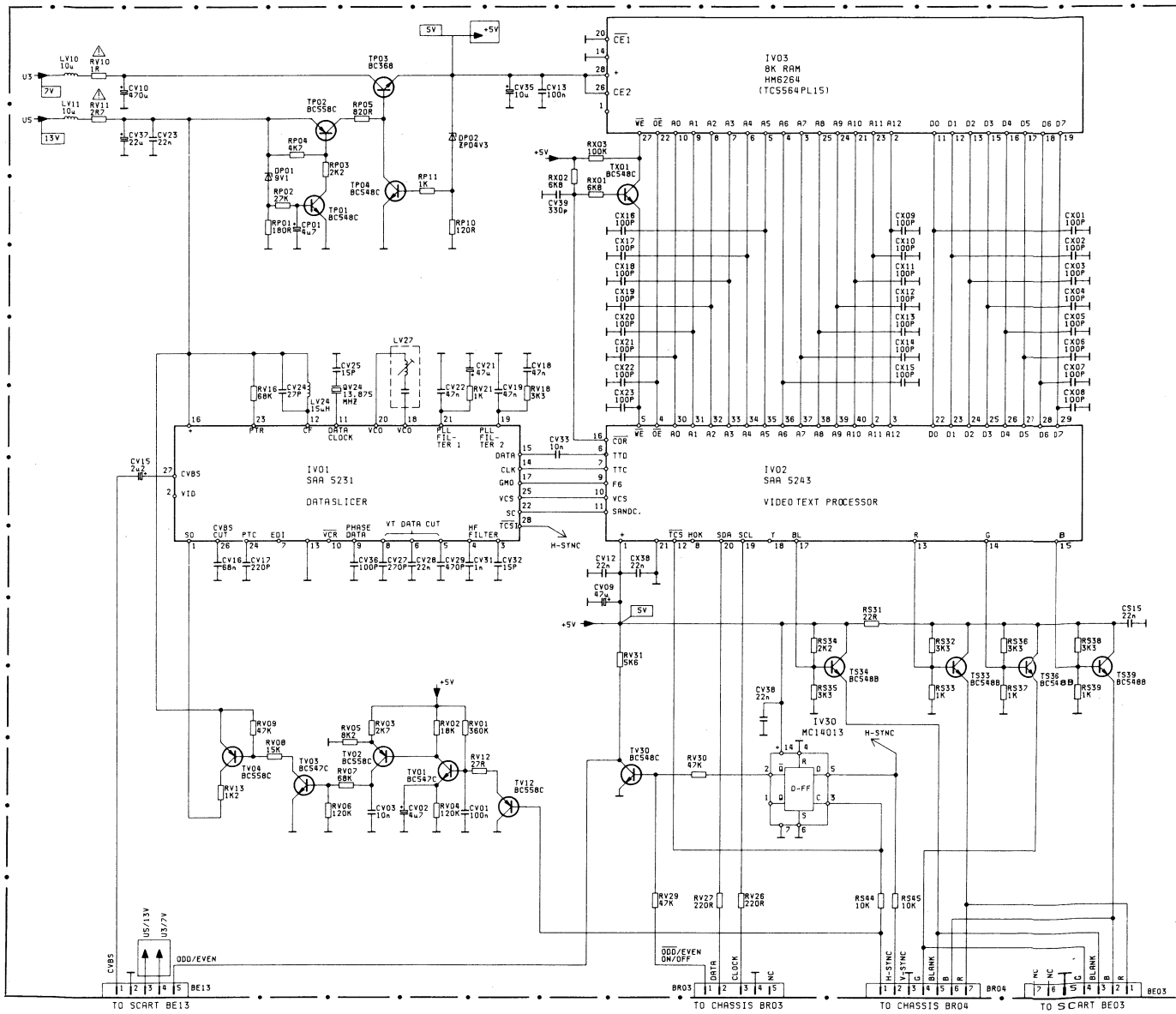


TUNER MM-2015 (Hyperband)
Sintonizador (Hiperbanda)

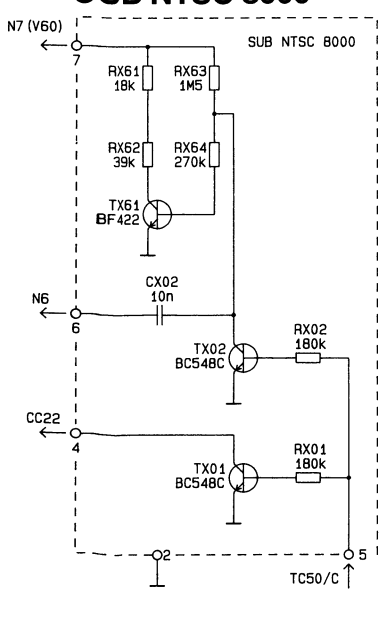


Videotext-Decoder
Teletext Decoder
Décodeur Vidéotexte
Decoder Televideo
Descodificador Teletexto

DVT 7000



SUB NTSC 8000



SUB Video